



# **SDR Transformation Initiative DoD WebSDR**

**SDR Committee Meeting, March 25-26,  
2008**

**Information Exchange under  
the DLMS**



# Background

- **What is DoD WebSDR?**
- **WebSDR Concept**
- **Current Status**
- **Interface Timeline**
- **Challenges and Next Steps**
- **Analytical Tools**
- **Approved DLMS Changes/Proposed DLMS Changes (ADC/PDC)**
- **Back-up Slides**
  - **Detail WebSDR Processing**
  - **Older ADCs**
  - **Deferred PDC Development**



# What is DoD WebSDR?

- **SDR Transformation Initiative**
  - **Transitions current mixed-environment to interoperable DoD Standard**
  - **Developed as a DLMS-compliant process, set in motion under OSD Business Initiatives Council in 2004**
- **WebSDR architecture is based upon a DAAS hub for communication and centralized data management**
  - **Eliminates the need for numerous point-to-point communications links**
  - **Transaction driven process eliminates the need to re-key SDRs within separate Component systems**
  - **Automatic e-mail reply to customer triggered by reply transaction eliminates action activity manual steps to print/mail/fax**



# WebSDR Concept

- **Phased development**
  - Continuous process improvement beginning at initial operating capability (Feb 2005)
  - Working toward full DLMS compliant information exchange
- **Benefits include:**
  - Near real time SDR reporting for immediate identification and more speedy resolution of reported discrepancies
  - Facilitates interoperability internal and external to DoD
  - Supports unique item identification and other DoD initiatives
  - Maximizes the economy, efficiency, effectiveness
  - Future capture of perfect order fulfillment computations



# Current Status

- **Web entry, standard transactions, database, process documentation, SDR training, and integration of multiple Component system interfaces implemented**
- **Analytical tools in development to speed SDR resolution & assess history and progress**
- **Database growing by 25K+ electronic transactions monthly**
- **Ongoing/future actions:**
  - **Continue integration of remaining Component systems**
  - **Implement analytical tools**

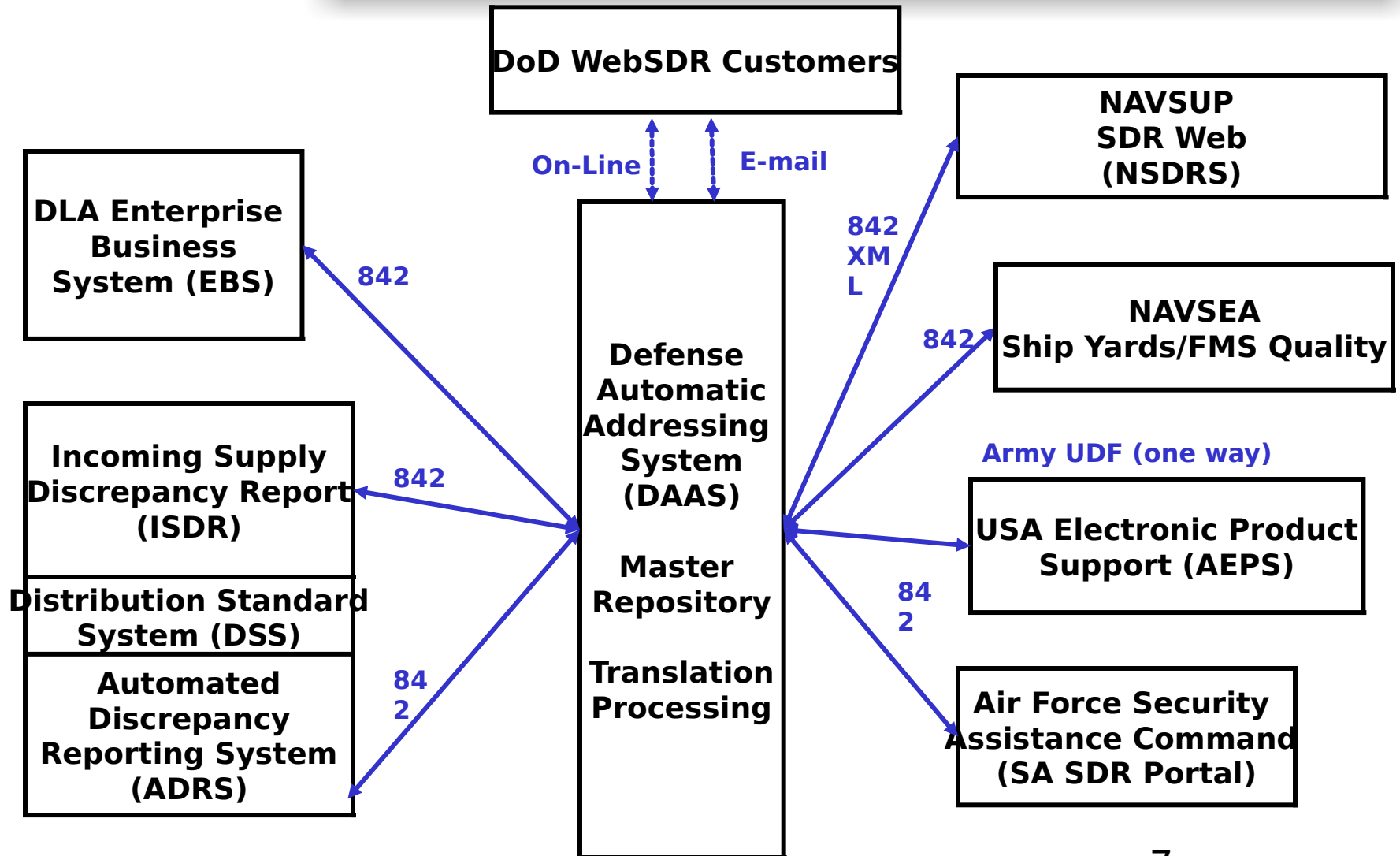


# Interface Timeline

<b>BIC Project Submission</b>	<b>September 2003</b>
<b>BIC Funding Received</b>	<b>April 2004</b>
<b>DLA Integration (DSS, SAMMS, BSM)</b>	<b>January-February 2005</b>
<b>AFSAC Implementation</b>	<b>November 2005</b>
<b>Army (AEPS) (one way - reports only)</b>	<b>October 2006</b>
<b>NAVSUP (NSDRS) Interface</b>	<b>January/February 2007</b>
<b>NAVSEA (PDREP) Interface</b>	<b>April 2007</b>
<b>SDR to PQDR two way flow</b>	<b>February 2008</b>
<b>SA SDR Portal (Army/Navy)</b>	<b>TBD - awaiting funds</b>
<b>EMALL Interface</b>	<b>@ April 2008</b>
<b>CCP SDR</b>	<b>@ July 2008</b>
<b>GSA Interface (one way)</b>	<b>TBD - core programming complete</b>
<b>Army Full Interface</b>	<b>AEPS or LMP TBD</b>



# SDR Information Exchange





# On-going Challenges

- **Not all Component interfaces have been implemented and WebSDR is experiencing many changes that must be worked with limited programming resources.**
  - **New requirements layered on top of incomplete baseline.**
  - **Competing priorities among Components.**
- **Resource Constraints**
  - **DAASC**
    - **WebSDR is currently funded out of the DAASC budget**
    - **Limited DAASC resources - available programmer/analyst support insufficient for volume of work**
    - **New requirements added on an on-going basis**
    - **BTA partially funded development of reports and query functionality**
  - **Similar resource constraints within Services and Agencies**





# Next Steps for WebSDR

- **Complete implementation of DLMS Changes and ongoing enhancements**
  - **Significant backlog of approved changes and program enhancements**
  - **New CCP requirements**
  - **BRAC impact**
  - **DD receipt for co-located “retail” material**
  - **Complete development of management reports and ad hoc queries**
- **Electronic interfaces with Service systems:**
  - **Security Assistance SDR Portal - AFSAC operation, expand to other Service ILCOs**
  - **Two-way communication with Army**
  - **Complete interface with GSA**
  - **DoD EMALL**
  - **ERPs**



# **Additional Development Work In Progress**

- **Other electronic interfaces with Service systems:**
  - **Testing DLMS interface with PDREP for DoD-wide distribution of SA quality reports**
  - **Requirements definition for Air Force Enterprise Solution-Supply (ES-S) application for items received in the Standard Base Supply System (SBSS)**
- **Associate financial view (debit/credit) with discrepancy report query**
  - **Requirements definition required**
  - **Finance PRC requesting implementation date for new Type Bill Code**
- **Ongoing enhancements/DAASC task list**

**Prioritization of requirements is critical!**



# DAASC Task List

- **“To-Do List” to track/prioritize revisions: ranging from identified bugs to ADCs**
  - **DAASC-Mandated Technical Requirements (see DAASC list)**
  - **Functional and Process Related Requirements**
    - **Info copy distribution to all parties identified (completed Mar 08)**
    - **Improved processing of routing determination for e-mail vs. transaction (completed Mar 08)**
    - **Complete open ADCs**
      - High priority to improving forwarding function (reply code 504)
      - Priority to establishing timeframes and on-line guidance for follow-ups
    - **Improve arrangement/display names of e-mail SDR content**
    - **Complete testing for PQDR interface with PREP (reply and functional business rules)**
    - **Upgrade IUID functionality on web**
    - **Complete access roles and levels automation**
    - **Mandate 4-position Discrepancy Codes (PDC pending)**
    - **Add capability to send attachment electronically (PDC pending)**



# **Analytical Tools**



# Analytical Tools

## Business Goals

- **Tool for SDR Workload Planning & Resolution**
  - **Manage and track open/awaiting disposition SDRs**
    - **Review from various vantage points**
      - Submitter
      - Owner/manager
      - Shipper
    - **Get current status and/or complete history on a particular SDR**
- **Tool to improve future customer support/fewer SDRs**
  - **Perform analysis of past SDRs**
    - Determine bad actors (shippers, customers, items, etc.)
    - Determine remedial actions
      - » Process changes
      - » Technology changes
      - » Training



# Analytical Tools Design Goals

- **Functional**
  - **Meet the functional user requirements**
  - **Be user friendly**
    - **Simple - single query choice page to make selections**
    - **Flexible - 10's of thousands of possible reports**
    - **Drill down research capability - cascading reports**
    - **Timely web responses**
    - **Standard output report forms regardless of selections**
    - **Technical**
  - **Flexibility to accommodate future query capabilities**
  - **Dynamic query/standard output views**
  - **Drill down from one report level to another**



# **Analytical Tools Current Status**

- **Function Requirements Document (FRD) forwarded to DAASC October 2007**
- **Composite Report in Production!**
  - **Ongoing corrections and enhancements as identified**
- **Matrix table design nearly complete (supports programming of summary report functionality)**
- **DAASC presentation to SDR Committee**
  - **Components to provide feedback as moved to production**



# **DLMS Change Proposals (Recent/Unimplemented)**





# Approved DLMS Change

- **ADC 245A, Notification for DD PQDR Exhibit Receipt**
  - **Implements SDR receipt alert process for USAF material**
    - **Applies ADC 188: Establishes new quality related discrepancy codes for DD to notify ICP regarding specific quality related issues (receipt & storage)**
    - **Q11 = Returned or stock screen item, PQDR exhibit deficiency**
  - **New routing rule at DAAS**
  - **Two new data elements are added to the SDR format at later date**
    - **AF PQDR Accession Number (1<sup>st</sup> line of remarks for interim)**
    - **PQDR Record Control Number**
  - **Implementation scheduled for mid-April**



# Approved DLMS Change

- **ADC 256, WebSDR/SDR Transaction Edits: Forwarding and Follow-up Timeframes**
  - **Three new edits to improve data quality and enforce existing business rules**
    - **Follow-up transactions will be edited to ensure that an appropriate time has elapsed before follow-ups may be submitted**
    - **SDRs replies forwarding the original report to a new action activity (reply code 504) may not be used to forward the Distribution Depot Receipt SDRs from Material Owner to the Source of Supply.**
    - **SDR replies requesting forwarding of the SDR to a new action activity (reply code 504) may not be used to forward historical or other record types which lack full data content necessary to establish a basic SDR report transaction.**



# Approved DLMS Change

- **ADC 268, Inclusion of Product Quality Deficiency Report (PQDR) Report Control Number (RCN) on Security Assistance (SA) SDR Quality-Related Reply**
  - **PQDR resolution when provided via SDR reply to the submitting ILCO, must identify the associated PQDR RCN as a cross-reference to the PQDR identification used by the ICP/IMM**
  - **This ADC adds the PQDR RCN to the SDR reply transaction format (previously added to the SDR report format under ADC 245)**



# PDC In Coordination

- **PDC 295, Consolidation and Containerization Points (CCP)-  
Originated Supply Discrepancy Reports (SDRs) including  
Noncompliant Wood Packaging Material (WPM) Procedures and  
Shipment Hold Code**
- **Primary goal is new capability supporting electronic exchange of  
SDRs prepared by the Distribution Depot's CCP operations to  
notify owner/managers that their OCONUS shipment is not in  
compliance with ISPM requirements for WPM**
  - **Implements new procedures associated with ADC 206,  
Establish New Discrepancy Code for Discrepant WPM**
  - **Requires new type code with variation of content**
    - **TCN level**
    - **Pallet may carry multiple NSNs and multiple document  
numbers**
  - **Operational issue - potential delay in forward movement**
    - **New Shipment Hold Code**



# **Detail Slides for New Participants**

## **Backup Slides**



# Goals of Web SDR

- **Quicker Response/Less Effort**
  - Reduces delays resulting from misrouted SDRs or mailed documents
  - Electronic interface eliminates data entry at action activity
- **Transaction exchange through logistics hub at DAAS**
- **Facilitated web-based entry available**
  - Auto-fill feature uses DAAS requisition history to populate SDR
  - Data content targeted to specific discrepant condition
  - May be used by Military Services/Agencies (individual Service rules may differ)
  - Contractors may use for discrepancies related to Government Furnished Material



- **Modernized systems will use business objects to transmit SDRs**
- **DLMS 842A available in X12 and XML format**
  - Includes data fields from the original SF 364 plus more
  - DLMS codes to support transactional exchange
  - Component-unique data requirements
  - Place holders for future enhancements, e.g., UID

23



- **Primary business object documentation is the DLMS Supplement (DS):**
  - **The DS establishes the DoD standard format for an electronic equivalent of the SF 364/SDR.**
  - **The DS provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.**
  - **Used to replace Component unique formats and paper form.**

24





# SDR Submittal Process

**DEFENSE AUTOMATIC ADDRESSING**  
Tracking System Center  
Legistics Quality Communications  
Contact Us | Help | Home

**Supply Discrepancy Reporting (WebSDR)**  
New SDR Submittal

Document Number / Suffix: W80QJK93510231  
DoD WebSDR Control Number: (Generated after submittal)  
Customer Control Number:  
Date of Preparation: DEC 16 2004  
SDR Type: ☒ Shipping  
☐ Packaging  
☐ Other  
International Logistics  
SIO:   
Serial Number:   
Country:   
Case:   
Reset Continue

**Supply Discrepancy Reporting (WebSDR)**  
Submittal for Requirement W80QJK93510231

Discrepancy Code #1:   
Select Discrepancy Code  
Select Sub-Code  
Select Sub-Code (Optional, if Applicable)  
Discrepancy Code #2:   
Select Discrepancy Code  
Select Sub-Code  
Select Sub-Code (Optional, if Applicable)  
Discrepancy Code #3:   
Select Discrepancy Code  
Select Sub-Code  
Select Sub-Code (Optional, if Applicable)  
Reset Continue

**Level 2 drop window identifies conditions within selected category and completes the discrepancy code**

**Supply Discrepancy Reporting (WebSDR)**  
Submittal for Requirement W80QJK93510231

Discrepancy Code #1:   
Select Discrepancy Code  
Select Discrepancy Code  
B - BILLING/FINANCIAL DISCREPANCIES (SECURITY ASSISTANCE ONLY)  
C - CONDITION OF MATERIAL  
D - SUPPLY DOCUMENTATION  
E - FINANCIAL DISCREPANCY  
N - MISDIRECTED  
O - OVERAGE, DUPLICATE, OR RECEIPT OF CANCELED MATERIAL  
P - PACKAGING DISCREPANCY  
Q - PRODUCT QUALITY (TECH DEFICIENCY (SECURITY ASSISTANCE ONLY))  
R - ERROR LABEL OR PACKING SLIP  
T - TECHNICAL DATA VARIATIONS  
Select Sub-Code (Optional, if Applicable)  
Discrepancy Code #2:   
Select Discrepancy Code  
Select Sub-Code  
Select Sub-Code (Optional, if Applicable)  
Reset Continue



- **Confirmation copy for Web input**
- **Business rule driven**
- **Transaction driven**

```

-----DISPATCH/CONTENTS-----
RECEIPT NO. FOR 1 EA. UNIT 5 EA RECEIVED.

----- FIRST OF CONTACT INFORMATION -----
NAME: ALC 33GT ONE THREE
TITLE/DEPT CODE: 336,ALC/33601
LOCAL ADDRESS: ONE THREE TWO BOSTON COMMONS, AT, MA
PHONE NUMBER: 4837555555
DIN NUMBER: 555555

----- DISPATCHED UNIT #1 -----
REC: 70E
70E33601 ALC/336
CEN. NO. 483 756 3361
3361 STAFF, DR. JAC. LARSEN
TECHNICAL AFD
00
731450100
00ALC, 33613, PAUL FREEMAN, AT, MA.

----- DISPATCHED UNIT #2 -----
REC: 30U
DEF DISPATCHED TO DEFUT DISPATCHING
DEF DISPATCHED TO DEFUT DISPATCHING
CEN. NO. 3361, J. AVE. 0360 516 DR. 22
TECHNICAL AFD
00
731450100
000, 000033613, MA.

) SIGNATURE:

```



# **DLMS Change Proposals (Previously Reviewed and Implemented)**



# Approved DLMS Change

- **ADC 196: Establishes new rules and WebSDR capability to route SDRs resulting from DLA-directed lateral redistribution of NAMI-owned (AJ2) material to NAMI for initial processing**
  - **Phased implementation**
  - **Programmatic recognition of LRO under TAV with routing to NAMI**
  - **Long term procedures deferred -- requires Army automated reply via DAAS**



# Approved DLMS Change

- **ADC 206: Establishes new discrepancy code for discrepant wood packaging material (WPM)**
  - **New Discrepancy Code: P215, Non-conformance to specified requirements for WPM**
    - **Available for use September 1, 2006**
    - **WPM not consistent with the international standards for transiting international borders and Dept. of Agriculture regulations governing importation**
  - **Corrective action based upon the circumstances of the quarantined/ frustrated shipment, value and priority of the shipment, access to the shipment by DOD personnel, and location of the consignee. Alternatives include replacement of the WPM, consignee pick-up of the material only, return to origin or designated location.**
  - **Costs for repacking and appropriate disposal of the WPM will be the responsibility of the source of supply**
- **Refer to PDC for CCP WPM SDRs - under development**



# Approved DLMS Change

- **ADC 210: Enhances web-entry for specific user groups:**
  - **Defense Reutilization and Marketing Service (DRMS): Gives DRMS capability to distinguish different types of SDRs, e.g., sales, donations, demil**
  - **National Inventory Management Strategy (NIMS): Allows NIMS sites to properly identify their submissions for DD/ICP processing**
  - **Non-DSS DD: Allows storage sites to submit type 8, 9, R (depot receipt type) SDRs directly into WebSDR to be routed electronically to the owner/manger/shipper as applicable**
  - **Adds SoS as web screen input**
  - **Scheduled for August-September 2007 implementation**



# Approved DLMS Change

- **ADC 222: Modifies and adds Disposition/Status Codes available for use in SDR replies**

- **Component implementation status?**

**126 Stock not available will not be reshipped in response to SDR**

**150 Your requisition will be reinstated and placed on backorder**

**151 Replacement/revised disposition/status; prior response is superseded**

**932 Transaction rejected. Missing or invalid wrong item information**



# Approved DLMS Change

- **ADC 225: Creates a trigger to obtain an information copy from DOD WebSDR**
  - **Scheduled for August 07 implementation**
  - **WebSDR/DAAS creation/transmission of information copy SDR in response to an SDR reply reject code sent to DAAS.**
    - **The reject condition is applicable when the source of supply (SoS) is DLA (Routing Identifier SMS); the Distribution Depot (DD) is the action activity; and DLA cannot process the DD reply due to lack of a record establishing the basic report**
    - **If report found in WebSDR database, an information copy will be sent to the organization submitting the reject reply**
- **ADC 225A:**
  - **Scheduled for July 07 implementation**
  - **Alternative proactive approach to providing required information copy**
    - **DAAS creation of information copy based upon storage site reply identifying DLA SoS and data base look-up to determine whether an information copy has already been provided**
    - **If not, one will be created and transmitted in advance of sending the storage site reply**





# **Deferred PDC Development**



# **PDC Under Development**

- **PDC 176A: Requires mandatory use of detail level (four-character) packaging discrepancy codes by Distribution Depots and USAF Customers**
  - **PDC to be completed by DLMSO**
  - **DLA and USAF agreement during 06 meeting**



# PDC Under Development

- **PDC 212: DAAS edit to systemically reject SDRs with invalid document numbers back to submitter or submitting system (establishes duplicate criteria)**
  - **Requires WebSDR/DAAS to validate the Document number field when it is manually entered into WebSDR or when it is received from another system**
    - **Standard document number edits**
    - **Duplicate document number edit**
      - **What is a duplicate?**
      - **Permit new SDR with document/suffix match to previous SDR when:**
        - » **Partial TCN**
        - » **Original SDR not accepted by action activity**
        - » **Discrepancy Code is different**
        - » **Discrepancy Code is for concealed shortage/wrong item/IUID**



# **PDC Under Development**

- **PDC for DLA query requirement**
  - **Provides a query to identify/measure DLA Customer Interaction Center input on behalf of customer using hard copy or other reporting method.**
  - **Identified for 06 meeting -- requirement not yet submitted**



# PDC Under Development

- **PDC for new USAF information copy requirement**
  - **Creation of a drop down menu which would trigger info copy of SDRs to the appropriate Logistics Support Centers (LSC)**
  - **Several USAF bases and Forward Supply Locations have cited examples of receiving duplicate shipments or receipts not due-in as a result of shipments directed by one of the RSSs or LSCs. Generally these shipments are connected to MICAPs, and when one does get messed up, the receiving activity submits an SDR via WebSDR to the shipping activity. Generally the shipping activity is another Air Force Base or a depot, and that activity really didn't do anything wrong...it's usually a simple case of the RSS or LSC not running the SPR for the receiving base.**



# Material Stored at Co-located DLA

Del

Does discrepancy need to be reported to shipper/SoS (e.g. debit/credit action, wrong item disposition, etc.)?

